

# CITY OF RENO SPECIFICATIONS FOR TRENCH SLURRY BACKFILL

TRENCH SLURRY BACKFILL SHALL CONSIST OF A FLUID, WORKABLE MIXTURE OF AGGREGATE, CEMENT AND WATER.

AT THE OPTION OF THE CONTRACTOR, TRENCH SLURRY BACKFILL MAY BE USED AS STRUCTURAL BACKFILL FOR PIPE, EXCEPT THAT TRENCH SLURRY BACKFILL SHALL NOT BE USED AS STRUCTURAL BACKFILL FOR ALUMINUM OR ALUMINUM-COATED PIPE.

WHEN TRENCH SLURRY BACKFILL IS USED FOR STRUCTURAL BACKFILL, THE WIDTH OF THE EXCAVATION SHOWN ON THE PLANS MAY BE REDUCED SO THAT THE SIDE CLEAR DISTANCE BETWEEN THE OUTSIDE OF THE PIPE AND THE SIDE OF THE EXCAVATION, ON EACH SIDE OF THE PIPE, IS A MINIMUM OF 6 INCHES FOR PIPES UP TO AND INCLUDING 42 INCHES IN DIAMETER OR SPAN, ONE FOOT FOR PIPES OVER 42 INCHES IN DIAMETER OR SPAN.

TRENCH SLURRY BACKFILL SHALL BE PLACED ONLY FOR THE PORTION OF THE STRUCTURAL BACKFILL BELOW THE ORIGINAL GROUND OR THE GRADING PLANE OR THE TOP OF EMBANKMENT PLACED PRIOR TO EXCAVATING FOR THE PIPE. WHERE NECESSARY, EARTH PLUGS SHALL BE COMPACTED AS REQUIRED AT EACH END OF THE PIPE PRIOR TO PLACING BACKFILL IN A MANNER THAT WILL COMPLETELY CONTAIN THE SLURRY IN THE TRENCH.

TRENCH SLURRY BACKFILL SHALL BE PLACED IN A UNIFORM MANNER THAT WILL PREVENT VOIDS IN, OR SEGREGATION OF, THE BACKFILL, AND WILL NOT FLOAT OR SHIFT THE PIPE. FOREIGN MATERIAL WHICH FALLS INTO THE TRENCH PRIOR TO OR DURING PLACING OF THE TRENCH SLURRY BACKFILL SHALL BE IMMEDIATELY REMOVED.

BACKFILLING OR PLACING ANY MATERIAL OVER TRENCH SLURRY BACKFILL SHALL NOT COMMENCE UNTIL AT LEAST FOUR HOURS AFTER THE TRENCH SLURRY BACKFILL HAS BEEN PLACED, EXCEPT THAT WHEN CONCRETE SAND IS USED FOR THE AGGREGATE AND THE IN-PLACE MATERIAL IS FREE DRAINING, BACKFILLING MAY COMMENCE AS SOON AS THE SURFACE WATER IS GONE. TRENCH SLURRY BACKFILL MAY BE USED AS A SUBSTITUTE FOR AGGREGATE BASE WHEN INSTALLED PROPERLY.

THE TOP ELEVATION OF THE TRENCH SLURRY BACKFILL MUST NOT EXCEED THE ELEVATION AT THE BOTTOM OF THE EXISTING ASPHALT CEMENT (A.C.) SUBGRADE BASE.

TRENCH SLURRY BACKFILL FOR PIPE WILL BE CONSIDERED STRUCTURAL BACKFILL FOR COMPENSATION PURPOSES.

## PORTLAND CEMENT SHALL MEET THE FOLLOWING REQUIREMENTS:

CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO THE PROVISIONS IN STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 202.03 "PORTLAND CEMENT".

TYPE II CEMENT SHALL MEET THE REQUIREMENTS OF ASTM C150. ALL OTHER CEMENTS SHALL MEET THE REQUIREMENTS OF AASHTO M35.

NO.	REVISION	DATE	STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	SECTION	RENO
			<b>TRENCH SLURRY BACKFILL</b>	DRAWING NO.	R-123A (305)
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